

Figure 1

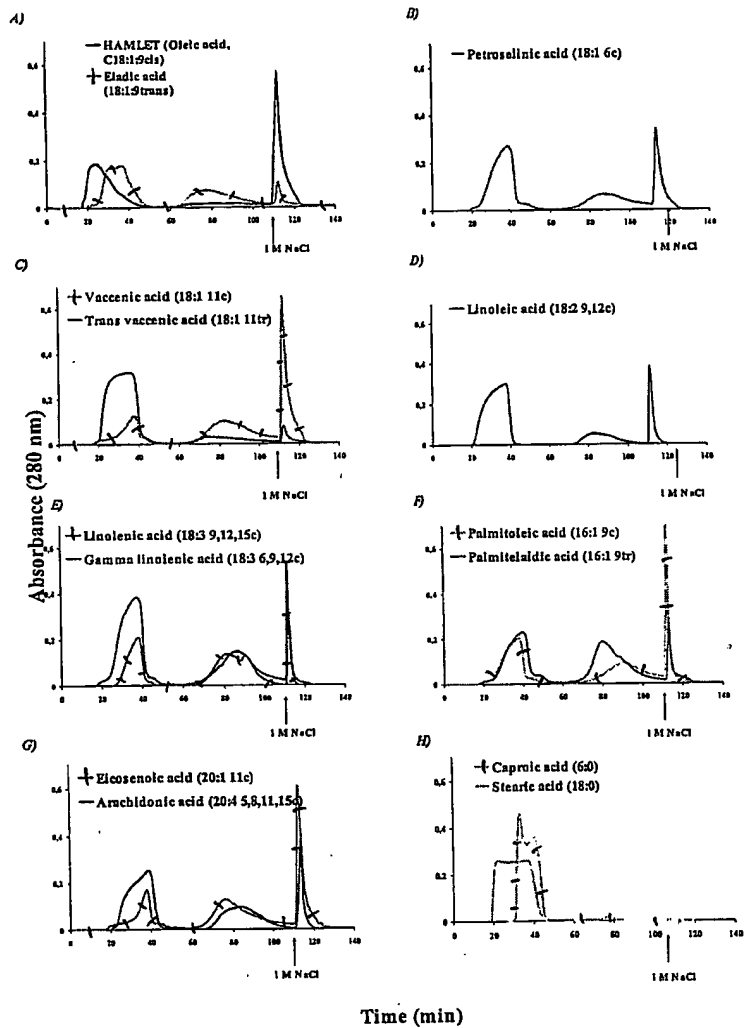
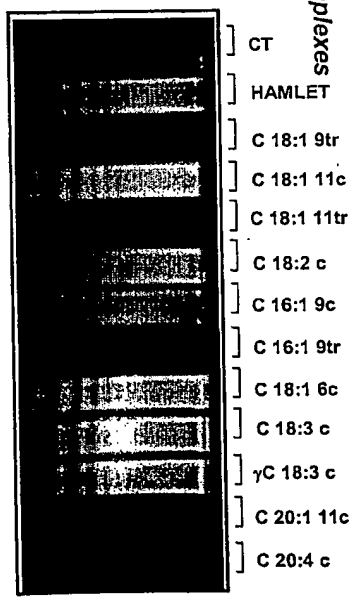


Figure 2

a) The viability of L1210 cells after exposure to converted material and free fatty acids

	Viability (%)
Medium control	99
Fatty acid/protein complexes:	
18:1:9c (HAMLET)	0
18:1:9tr	98
18:1:11c	1
18:1:6c	60
18:3:c	32
γ 18:3:c	43
18:1:11tr	98
18:2:c	89
16:1:9c	73
16:1:9tr	98
20:1:11c	96
20:4:c	96
Fatty acids:	
18:1:9c	99
18:1:9tr	98
18:1:6c	97
18:1:11tr	96
18:2:c	98
18:3:c	99
γ 18:3:c	99
16:1:9c	96
16:1:9tr	98
20:1:11c	99
20:4:c	98

a) Protein-lipid complexes



b) Free fatty acids

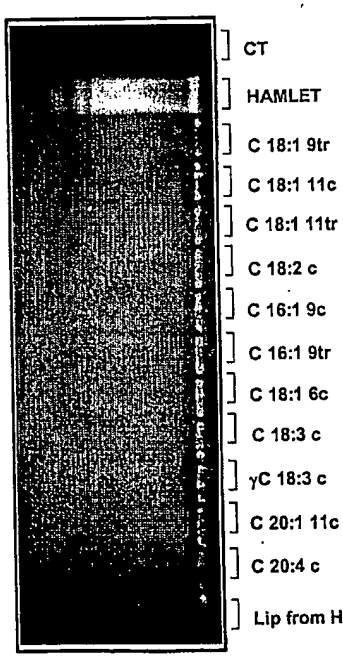


Figure 3

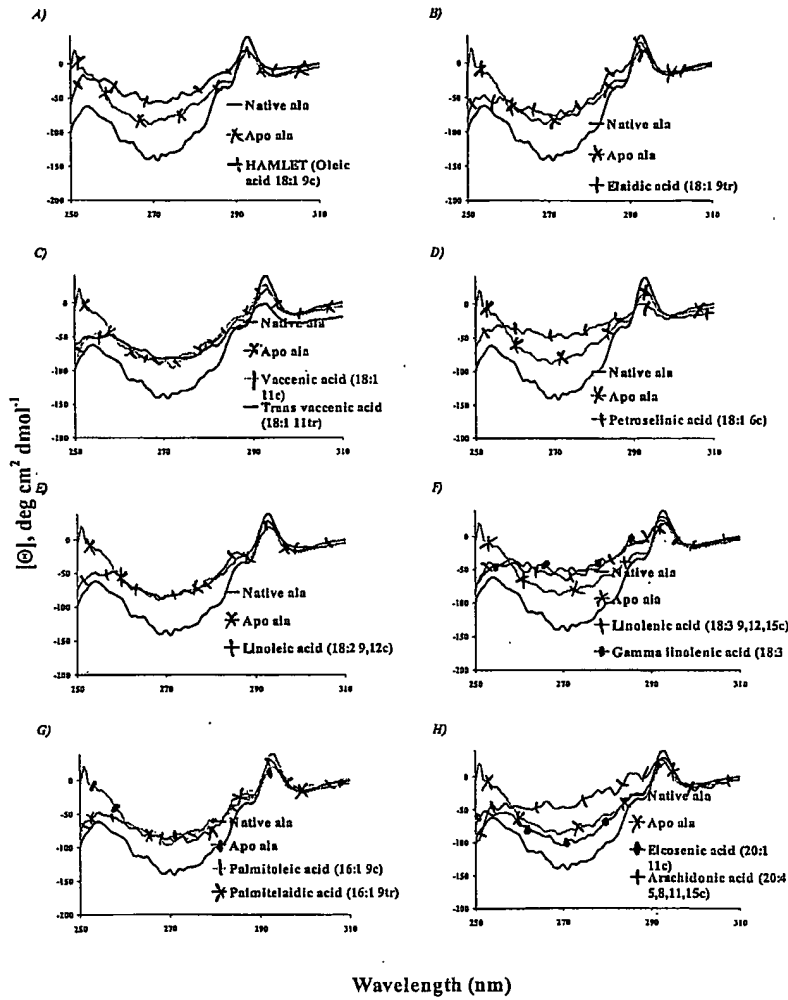


Figure 4

5/13

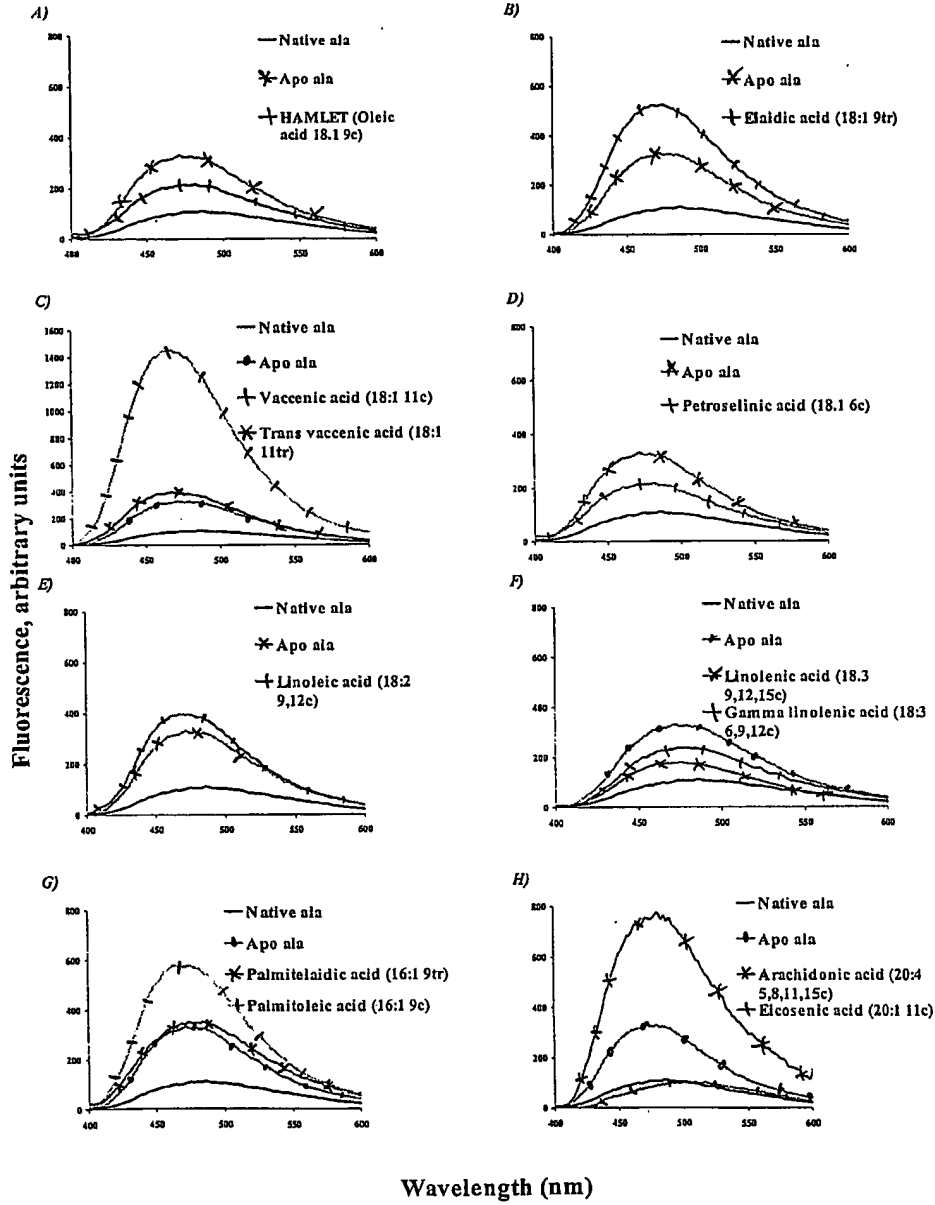


Figure 5

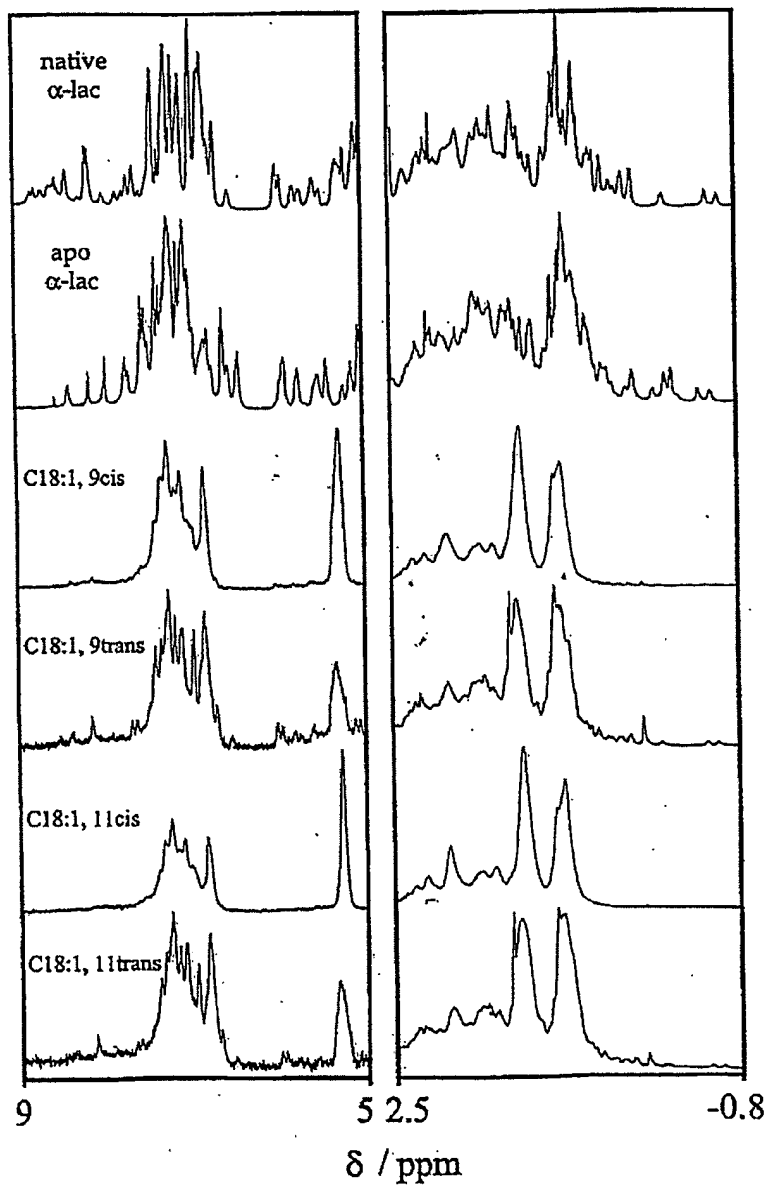


Figure 6

7/13

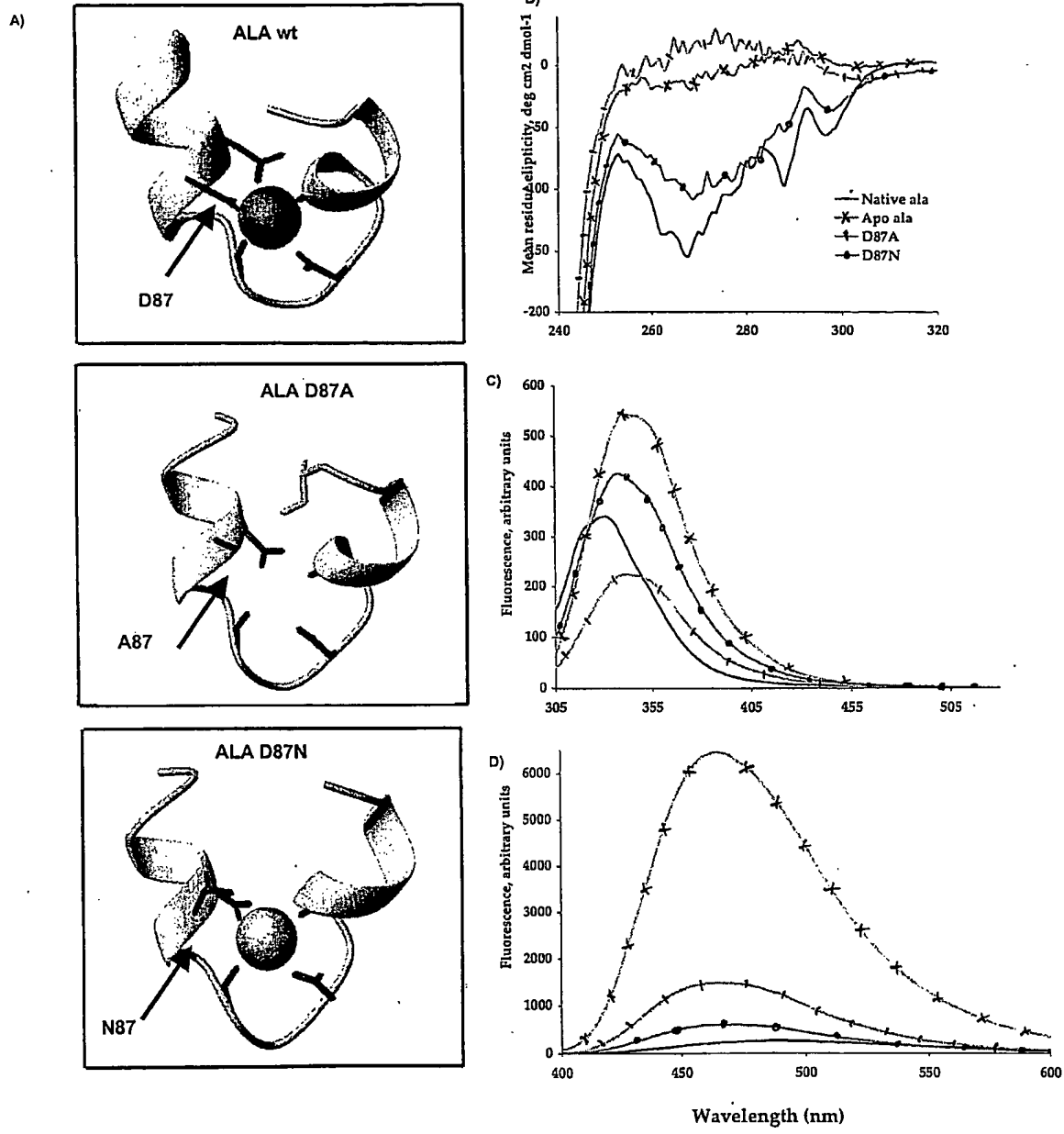


Figure 7

A)

Table I. The viability of L1210 cells after treatment with various forms of α -lactalbumin.

	Cell viability (%)
Medium control	98
α -lactalbumin*:	
native	99
D87A	99
D87N	97
HAMLET†	4

* the concentration was 1.0 mg/ml
 † the concentration was 0.3 mg/ml

B)

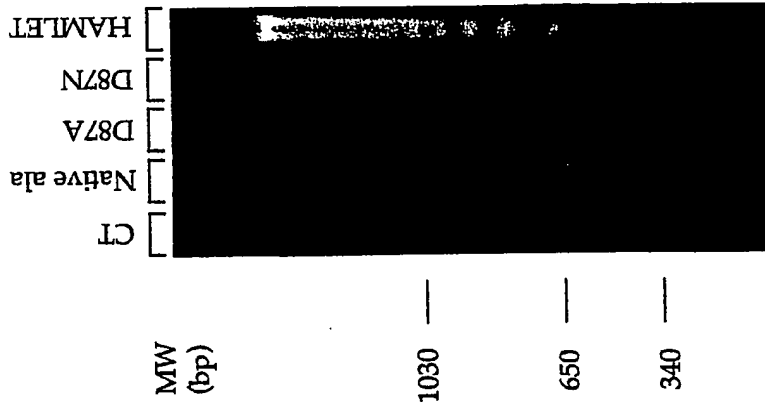
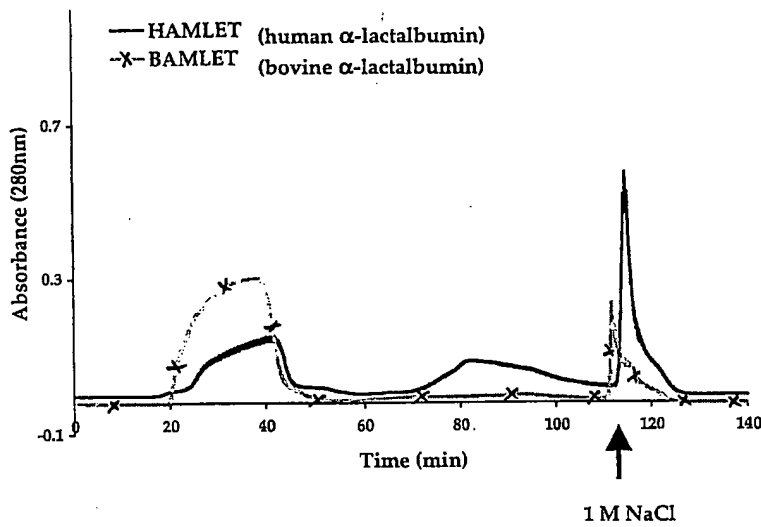


Figure 8

9/13

A)



B)

Table II. Viability of L1210 cells after treatment with BAMLET and HAMLET.

	Cell viability (%)
Medium control	98
HAMLET	
0.2 mg/ml	67
0.3 mg/ml	9
BAMLET	
0.2 mg/ml	76
0.3 mg/ml	8

C)

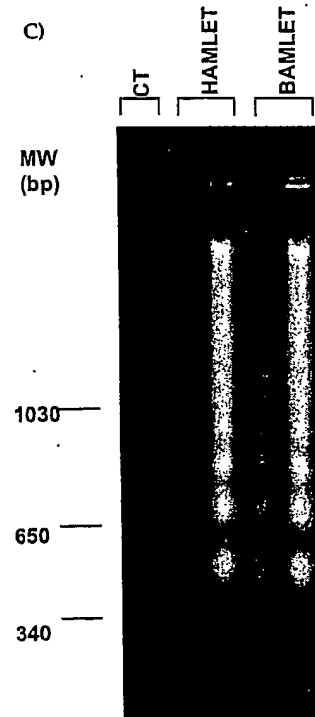
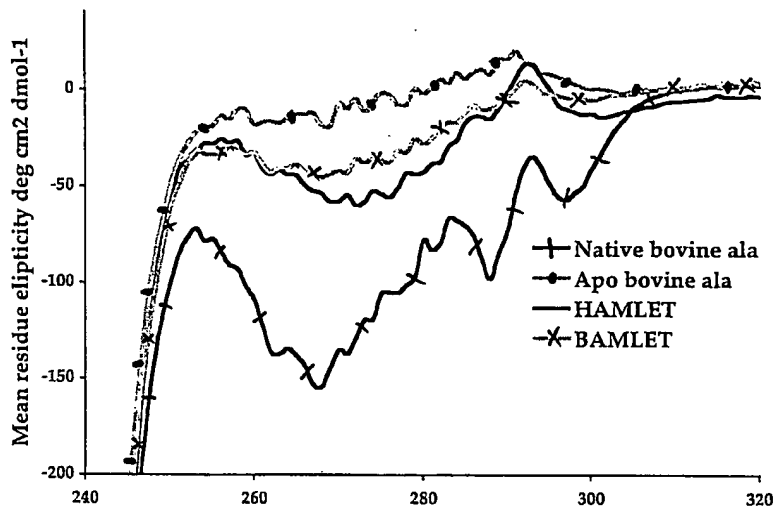
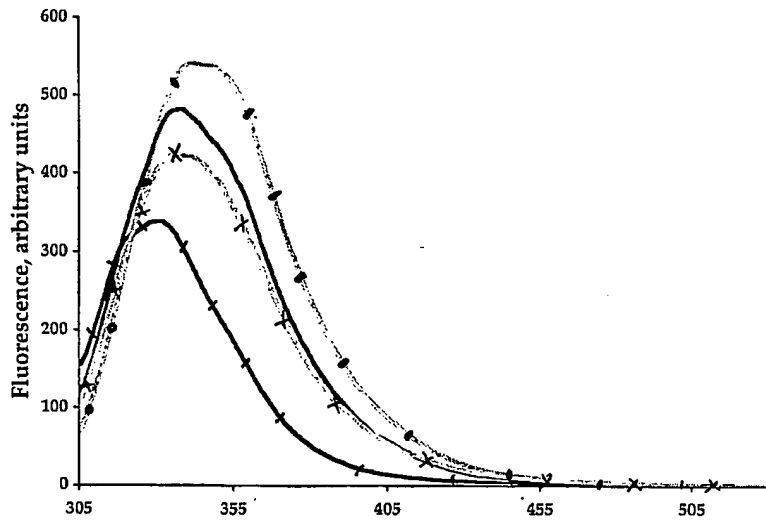


Figure 9

D)



E)



F)

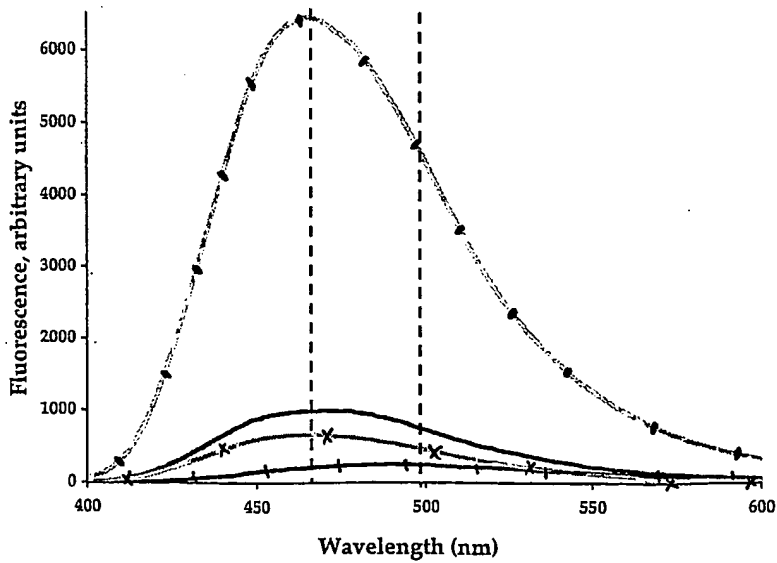
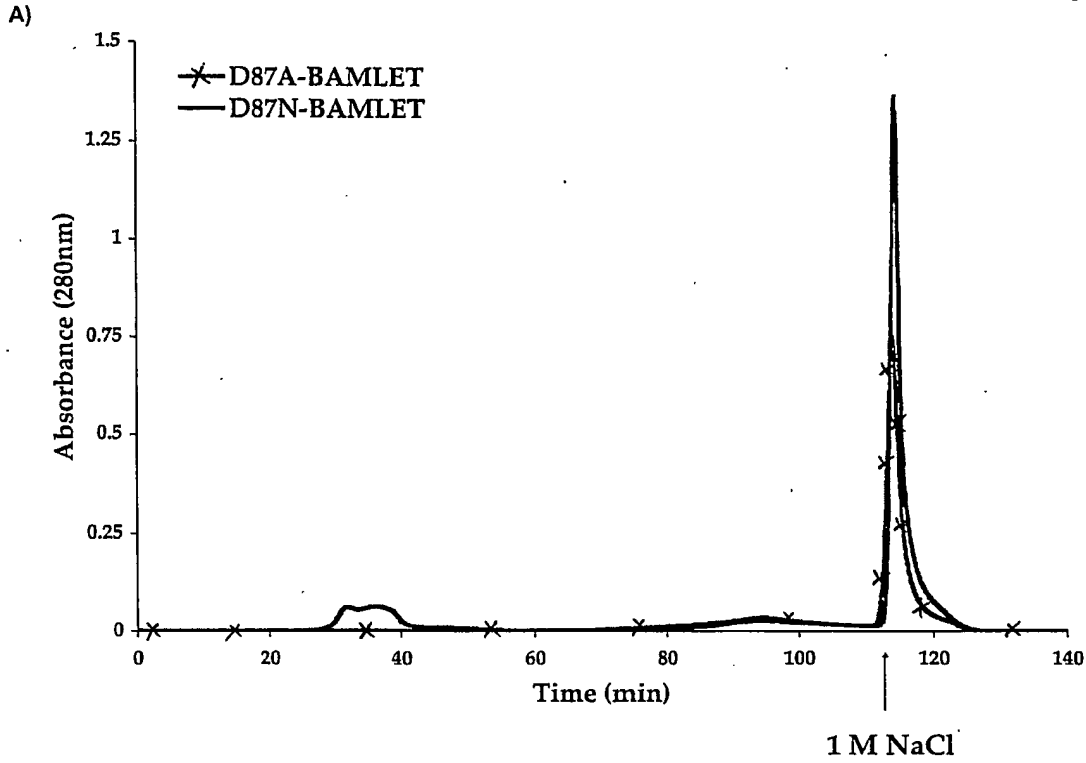


Figure 9 con't



B)

Table III. The viability of L1210 cells after treatment with D87A- and D87N-BAMLET.

	Cell viability (%)
Medium control	98
α -lactalbumin*	
native	97
D87A-BAMLET	13
D87N-BAMLET	17
BAMLET†	0

*the concentration was 0.5 mg/ml
 †the concentration was 0.3 mg/ml

C)

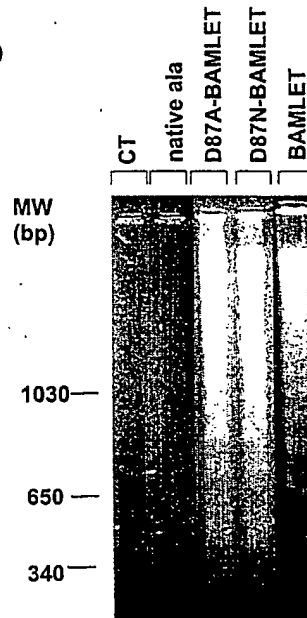
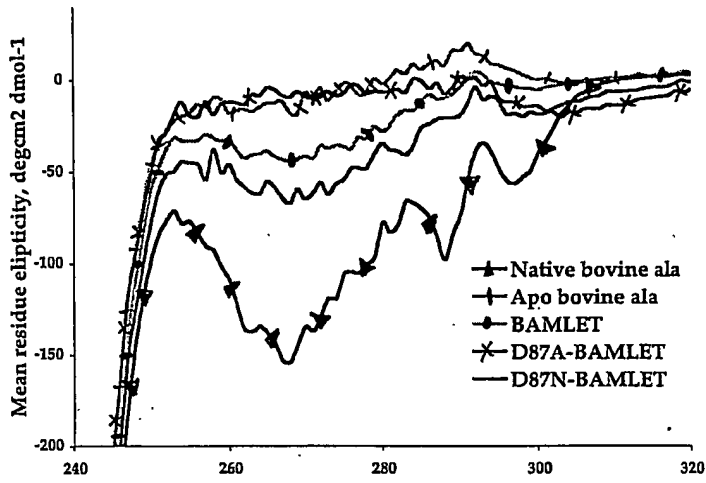
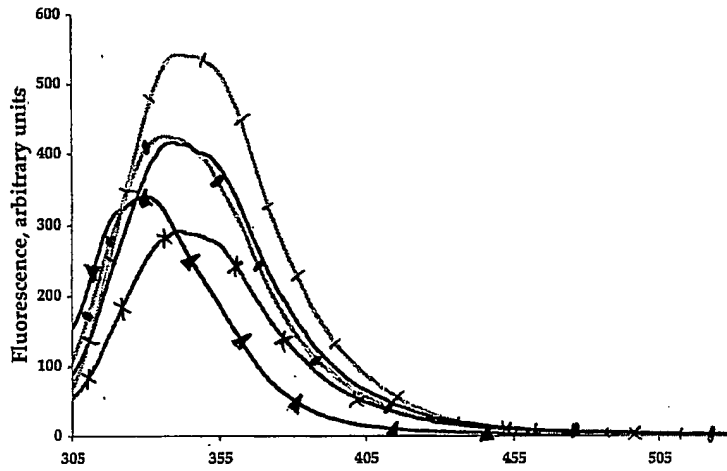


Figure 10

D)



E)



F)

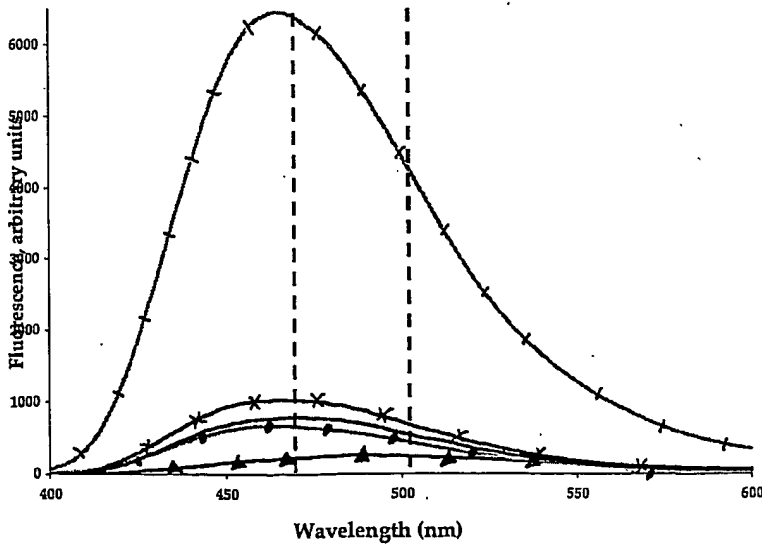


Figure 10 cont

13/13

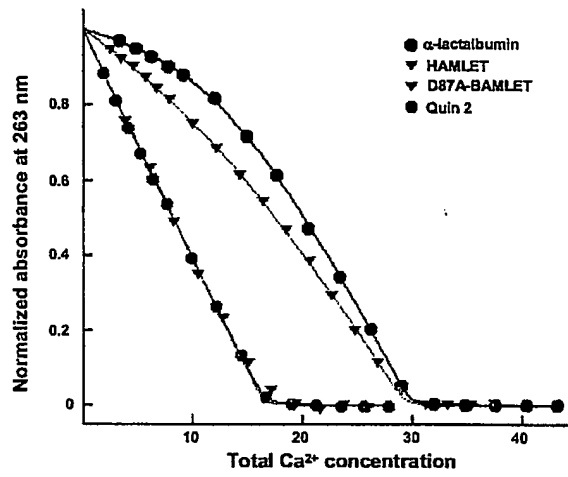


Figure 11